features of your new air conditioner

- ## Cool Summer Offer

  On those hot sweltering summer days and long restless nights, there is no better escape from the heat than the cool comforts of home. Your new air conditioner brings an end to exhausting hot summer days and lets you rest. This summer, beat the heat with your own air conditioner.

- ## Cost Efficient System

  Your new air conditioner not only provides maximum cooling power in the summer, but can also be an efficient heating method in the winter with the advanced “Heat pump” system. This technology is up to 300% more efficient than electrical heating, so you can further reduce its running cost. Now, meet year-round needs with one air conditioner.

- ## A Look for Everywhere

  The elegant and harmonious design gives priority to the esthetics of your space and complements any of your existing interior decor. With its soft color and rounded-edge shape, the new air conditioner adds class to any room. Enjoy what your air conditioner offers both functionally and esthetically.

- ## **mpi**zone

  mpizone generates hydrogen(H) and oxygen(O_2) to attack undesirable air contaminants such as bacteria, pollen, and odor. Breathe as if you were around waterfalls, ocean surf, rivers and mountains.

- ## good’sleep function

  good’sleep mode automatically adjustments room temperature to make sure you sleep comfortably while saving energy.

SAMSUNG

For easy future reference write the model and serial number down. You will find your model number on the right side of the air conditioner.

Model #___________

Serial #____________

safety information

To prevent electric shock, disconnect the power before servicing, cleaning, and installing the unit.

SAFETY INFORMATION

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have questions, call your nearest contact center or find help and information online at www.samsung.com.

What the icons and signs in this user manual mean:

⚠ WARNING	Risk of death or serious personal injury.
⚠ CAUTION	Potential risk of personal injury or material damage.
⚡ CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your air conditioner, follow these basic safety instructions:

🚫	Do NOT attempt.
🔧	Do NOT disassemble.
✋	Do NOT touch.
★	Follow directions carefully.
🔌	Unplug the power plug from the wall socket.
⏚	Make sure the machine is grounded to prevent electric shock.
☎	Call the contact center for help.
✎	Recommended instructions or useful information for use.

These warning signs are here to prevent injury to you and others.
Please follow them carefully.
After reading this section, keep it in a safe place for future reference.

SEVERE WARNING SIGNS

🚫 **Do not cut the power plug and connect to a different power cable.**

Never attempt to lengthen the power cable.
- Potential risk of fire or electric shock.

Do not yank the power cable and touch the power plug with wet hands.
- Potential risk of fire or electric shock.

Never use a damaged power plug, power cable, or loosened power receptacle.
- Potential risk of fire or electric shock.

safety information

SEVERE WARNING SIGNS

Do not place the air conditioner near hazardous substances or equipment that releases free flames to avoid fires, explosions or injuries.

- Potential risk of fire hazard or explosion.

Do not spray flammable gases such as insecticide near the air conditioner.

- Potential risk of electric shock, fire or unit malfunction.

Do not block or place items in front of the air conditioner. Do not step, hang onto, or place heavy items on the air conditioner.

- Potential risk of personal injury.

Do not insert anything such as fingers or branches into the air conditioner vents.

- Keep children away from the air conditioner. Potential risk of personal injury.

Do not install the air conditioner in areas exposed to inflammable gas leakage or potential risk of gas leakage.

- Potential risk of fire hazard or explosion.

Do not install the outdoor unit on an unstable place such as outer high wall of an apartment or building and on an outside terrace to avoid falls.

- If the outdoor unit falls, it may cause personal injury or loss of property.

Consult the place of purchase or a contact center to disassemble or reinstall the air conditioner.

- Potential risk of unit malfunction, water leakage, electric shock, or fire.

Do not connect the air conditioner with a heating apparatus or do not attempt to disassemble, remodel or repair it by yourself.

- Potential risk of malfunction, electric shock or fire. If repairs are needed, consult the contact center.

Consult the place of purchase or a contact center to install the air conditioner.

- Improper installation carries a risk of unit malfunction, water leakage, electric shock or fire.
- If installing in specialty areas, such as a factory complex or saline coastal area, consult the place of purchase or contact center for specific installation details.

Install the air conditioner with the support bracket securely fastened to use for an extended period of time.

- If the air conditioner falls, it may cause personal injury or loss of property.

Ensure the air conditioner is installed in compliance with current national safety standards.

Use a rated circuit breaker only.

- Never use steel wires or copper wires as a circuit breaker. It may cause fire or unit malfunction.

Use an exclusive power source for the air conditioner.

- Potential risk of electric shock or fire.

Do not put undue stress on the power cable or place heavy objects on it. Do not bend the power cable excessively.

- Potential risk of fire or electric shock.

If the air conditioner becomes wet, turn the power off immediately and call your nearest contact center.

- Potential risk of fire or electric shock.

Install an exclusive circuit breaker and short-circuit breaker for the air conditioner.

- Potential risk of electric shock or fire.

If the power cable or cord is damaged, the manufacturer, a qualified service technician must replace it to avoid a potential risk.

Disconnect the air conditioner from power supply before it is repaired or disassembled.

Use a receptacle that has a ground terminal. The receptacle must be used exclusively for the air conditioner.

- Improper electrical grounding may cause electric shock or fire.

Ensure proper ground has been established when installing the air conditioner. Do not connect the ground cable of the unit to a gas pipe, a water pipe or a telephone line.

- Potential risk of electric shock.

CAUTION SIGNS

Ensure no water gets into the air conditioner.

- Potential risk of fire or electric shock.

Do not install the air conditioner close to heating appliances to avoid damage.

Turn off the air conditioner using the provided remote control or control accessory (if provided). Do not unplug to turn off the unit (unless there is an immediate danger).

Do not open the front grille during operation.

- Potential risk of electric shock or unit malfunction.

Cool air should not flow directly towards people, pets, and plants.

- It is harmful to your health, pets, and plants.

Do not run the air conditioner for an extended period of time in a room with the door closed or with babies, elderly or disabled people.

- In case residential application, refreshing the air into the room (from external air to prevent oxygen shortage), in order to guarantee at least 1-2 renewal/h. For different application the renewal air has to be guarantee according to UNI 10339.

Do not use the air conditioner as a cooling precision instrument for food, pets, plants, cosmetics or machinery.

- Potential risk of property loss.

Do not drink water from the air conditioner.

- Potential risk of health hazard.

Do not give excessive shock to the air conditioner.

- Potential risk of fire or unit malfunction.

Do not expose the dust filter to direct sunlight while drying.

- Strong direct sunlight may deform the dust filter.

Do not spray water directly on the air conditioner or use benzene, thinner or alcohol to clean the surface of the unit.

- Potential risk of electric shock or fire.
- Potential risk of damage to the air conditioner.

safety information

CAUTION SIGNS

Do not place containers with liquid or other objects on the unit.

Do not touch the pipe connected to the air conditioner.

- Potential risk of personal injury or burn.

The air conditioner is composed of moving parts. Keep children away from the unit to avoid physical injury.

Check for damage on delivery. If damaged, do not install the air conditioner and call the place of purchase immediately.

Make sure the voltage and frequency of the electric system are compatible with the air conditioner.

Insert the dust filter before operating the air conditioner.

- If there is no dust filter inside the air conditioner, accumulated dust may shorten the life of the air conditioner and cause electricity waste.

Keep indoor temperatures stable and not extremely cold, especially where there are children, elderly or disabled people.

Clean the air conditioner after the inner fan stops operating.

- Potential risk of injury or electric shock.

Clean the dust filter every 2 weeks. Clean the filter more frequently if the air conditioner is operated in dusty areas.

Inspect the condition, electric connections, pipes and external case of the air conditioner regularly by a qualified service technician.

Do not open doors and windows in the room being cooled during operation unless necessary.

Do not block air conditioner vents. If objects block the air flow, it may cause unit malfunction or poor performance.

The packaging material and used batteries of the remote control(optional) must be disposed of in accordance with the national standards.

The refrigerant used in the air conditioner must be treated as chemical waste. Dispose the refrigerant following national standards.

Have a qualified service technician install the air conditioner and perform a trial operation.

Install the air conditioner away from direct exposure to sunlight, heating apparatus, and humid places.

- Hang curtains on windows to boost cooling efficiency and to avoid the risk of electric shock.

Firmly connect the drain hose to the air conditioner for proper water drainage.

- If it does not drain well, the condensed-water from the indoor unit may overflow and leak into the room.

Install the outdoor unit where the normal operating noise and residual vibration (subjective parameters) will not disturb your neighbor and be well-ventilated with no obstacle.

- Potential risk of malfunction.

Install a pipe length according to minimum and maximum limit prescribed into installation manual.

- with length different from specified, the system performance and reliability will be reduced drastically.

If a power outage occurs while the air conditioner is working, turn off the power source immediately.

When cleaning the outdoor unit, touch the heat exchanger radiator fins with extreme care.

- Wearing thick gloves can protect your hands.

Make sure there are no obstacles under the indoor unit.

- Potential risk of fire or loss of property.

Make sure that children take precautions against access to the air conditioner and that they do not play with the unit.

The maximum input power & current and the input power & current are measured in accordance with the rules given in the IEC/ISO.

Use the wireless remote control only up to a distance of about 7m from the remote control sensor of the air conditioner.

- The air conditioner may not work over the distance of 7m.

Make sure the cover or any obstacle is not near the air conditioner. Allow sufficient space for air circulation.

- Insufficient ventilation may result in poor performance.

Batteries should be removed from the wireless remote control and kept separately when unused for a long period of time.

If failure or damage occurs on the conditions of improper use not followed by the installation manual, the repair expense will not be covered by product warranty.

- Potential risk of malfunction, electric shock or fire if repairs or installations are attempted by a non-qualified service technician.

Ensure the on-off and protection switches are properly installed.

Do not use the air conditioner if damaged. If problems occur, immediately stop operation and disconnect the plug from the power supply.

If the air conditioner will not be used for an extended period of time (for example, over several months), unplug the power from the wall.

Call the place of purchase or a contact center if repairs are needed.

- Potential risk of fire or electric shock if disassembly or repairs are attempted by a non-qualified service technician.

If you smell burning plastic, hear strange sounds, or see smoke coming from the unit, unplug the air conditioner immediately and call a contact center.

- Potential risk of fire or electric shock.

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This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), and the Electromagnetic Compatibility Directive (2004/108/EEC) of the European Union.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

viewing your air conditioner before use

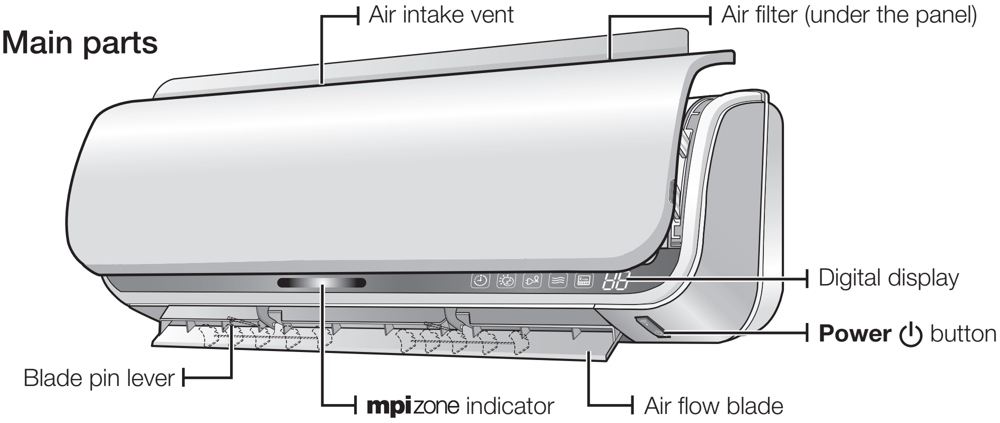
Congratulations on the purchase of a Samsung air conditioner. We hope you will enjoy the features of your air conditioner and stay cool or warm with optimal efficiency.

Please read the user manual to get started and to make the best use of the air conditioner.

CHECKING THE INDOOR UNIT AND DIGITAL DISPLAY

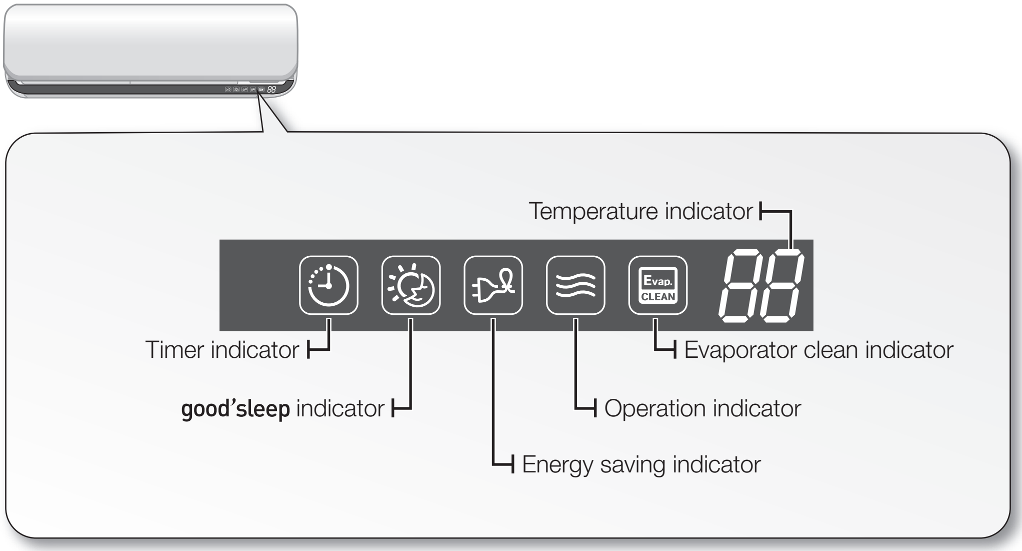
Carefully unpack your air conditioner, and check the unit to make sure it is not damaged.

Main parts


Air intake vent
Air filter (under the panel)
Digital display
Power ⏻ button
Blade pin lever
mpizone indicator
Air flow blade

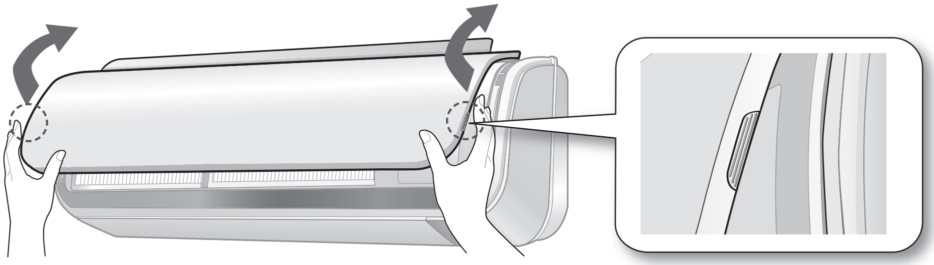
Your air conditioner may look slightly different from the illustration shown above depending on your model.

Indoor unit digital display


Temperature indicator
Evap.
CLEAN
88
Timer indicator
Evaporator clean indicator
good'sleep indicator
Operation indicator
Energy saving indicator

REMOVING THE FRONT PANEL

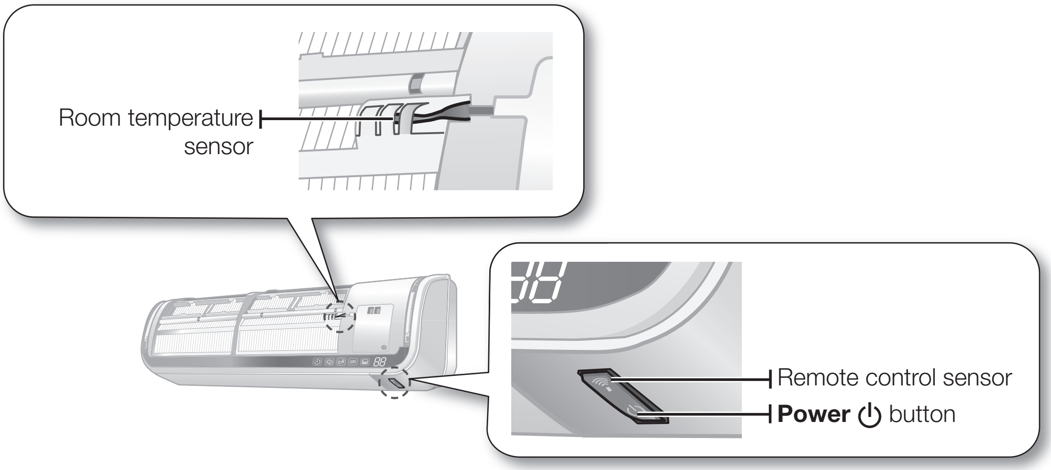
Grab the grooved side of the front panel tightly and pull the bottom side of the panel upwards to remove the front panel.



Power button and Room temperature sensor

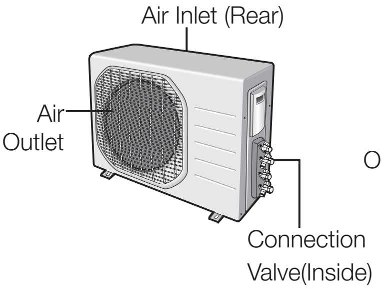
You may locate the **Power** ⏻ button on the right bottom side of the air conditioner. If the front panel is open, you can check the room temperature sensor.

You can turn on the air conditioner without the remote control by pressing the **Power** ⏻ button. The room temperature sensor measures indoor room temperature.

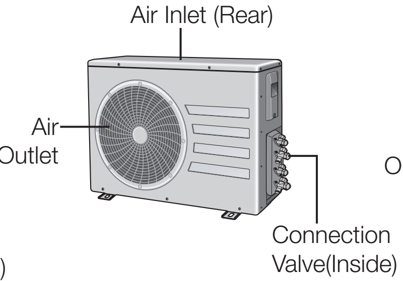

Room temperature sensor
Remote control sensor
Power ⏻ button

CHECKING THE OUTDOOR UNIT

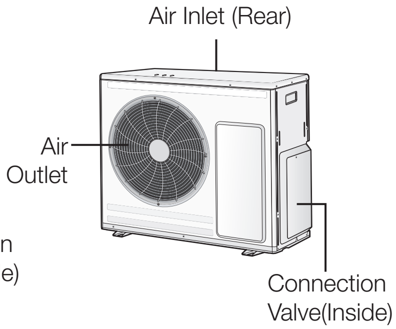
MH040FX✴A2B/
MH18VF1X/MH19VF1X


Air Inlet (Rear)
Air Outlet
Connection Valve(Inside)

MH050FX✴A2B


Air Inlet (Rear)
Air Outlet
Connection Valve(Inside)

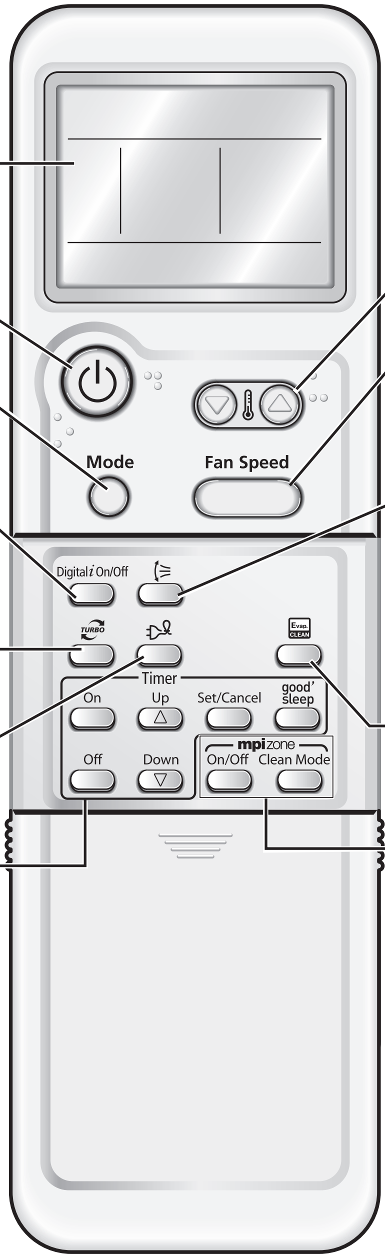
MH060FX✴A3B/MH070FX
✴A4B/MH080FX✴A4B


Air Inlet (Rear)
Air Outlet
Connection Valve(Inside)

viewing your air conditioner before use

CHECKING THE REMOTE CONTROL

Activate the air conditioner by pointing the remote control directly at the unit.



Remote control display

Power ⏻
Turns the air conditioner ON and OFF.

Mode
Set one of the 5 operating modes. (See pages 14~18 for instructions.)

Digital *i* On/Off
Turns On/Off the digital display during operation. The operating mode indicator will remain on.

Turbo
Operates maximum fan speed to cool/warm quickly.

Energy saving function
Cools between 26°C~ 30°C to save energy.

Timer function

On/Off
Turns the timer on/off.

Up/Down
Increases/Decreases the time.

Set/Cancel
Sets/Cancels the current timer/good' sleep mode setting.

good' sleep
Turns the good' sleep mode on/off.

Temperature ▼ ▲
Decreases/Increases the temperature by 1°C.

Fan speed
Adjusts fan speed from Auto, Low, Medium, and High.

Air swing
Activates/Deactivates air flow blade to move automatically up and down.

Evap. CLEAN
Dries the unit interior to get rid of odors.

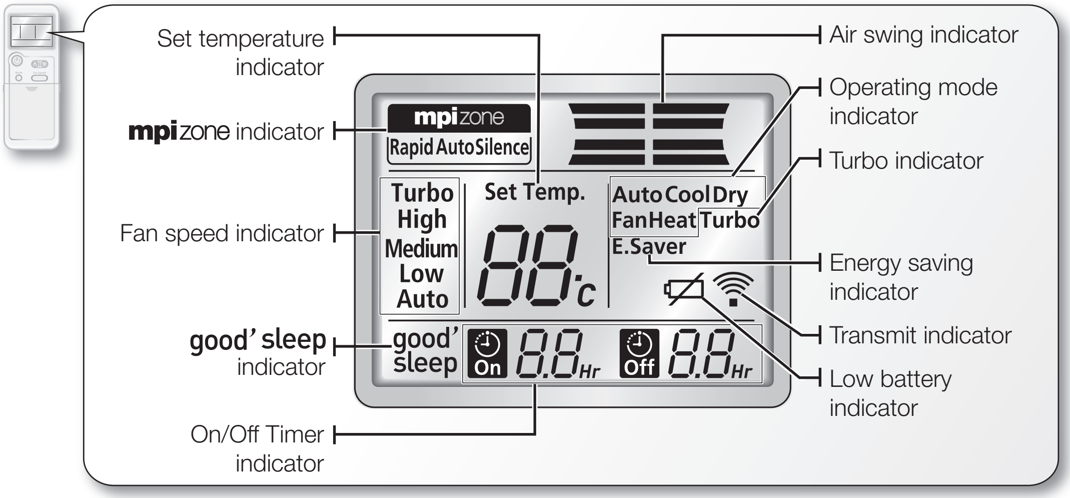
mpizone function

On/Off
Emits hydrogen(H) and oxygen(O_2) into the air to remove harmful particles.

Clean Mode
Sets to one of the 3 mpizone operating types.

Each time you press a button, a short beep will sound and a transmit indicator appears on the remote control display.

Remote control display

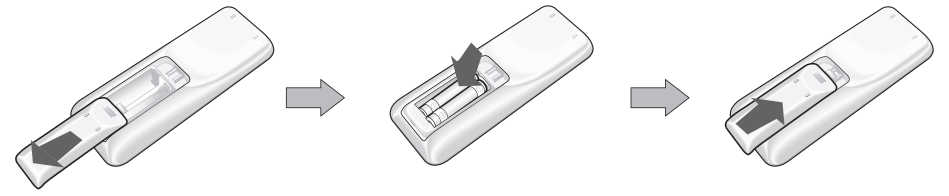

Set temperature indicator
mpizone indicator
Fan speed indicator
good' sleep indicator
On/Off Timer indicator
Air swing indicator
Operating mode indicator
Turbo indicator
Energy saving indicator
Transmit indicator
Low battery indicator
mpizone
Rapid AutoSilence
Turbo
High
Medium
Low
Auto
Set Temp.
88°C
Auto Cool Dry
Fan Heat Turbo
E.Saver
good' sleep
On 8.8Hr
Off 8.8Hr

Using the remote control

- Point the remote control towards the remote control sensor of the unit.
- The unit will beep each time a button is pressed on the remote control.

- The remote control may not operate correctly if inverter fluorescent lighting is used in close proximity of the unit.
- If other electrical products operate by the remote control, call your nearest contact center.

Installing the batteries



1. **Slide cover down to open.**

   This is located on the back of the remote control.

2. **Install two AAA batteries.**

   Check and match the "+" and "-" signs accordingly. Make sure you have installed the batteries correctly.

3. **Close the cover by sliding it back to its original position.**

   You should hear a click sound when the cover is locked properly.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

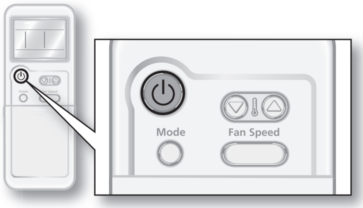
To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

operating basic function

TURNING THE AIR CONDITIONER ON AND OFF

Press the **Power** ⏻ button on the remote control.

You will hear a ringing sound and the front panel will lift up when the air conditioner is properly turned on. The **mpi**zone indicator will also fade in and fade out.
When you turn off the air conditioner, the **mpi**zone indicator will fade in and fade out and the front panel will return to its closed position.



Turning on/off your air conditioner without the remote control.
You can operate your air conditioner by pressing the **Power** ⏻ button on the bottom right side of the air conditioner.

SELECTING OPERATION MODE

Auto

In Auto mode, the air conditioner will automatically set the temperature and fan speed depending on the room temperature detected by the room temperature sensor.

1. Turn on the air conditioner.

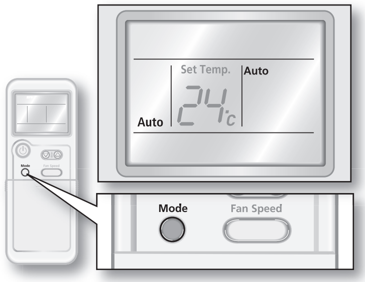
   Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

   Press the **Mode** button on the remote control until Auto mode and Auto fan speed indicator appear on the remote control display.

   The air conditioner will automatically set the temperature and fan speed to cool or heat according to the current room temperature.

   When you press the **Mode** button, the mode will change in order of Auto, Cool, Dry, Fan and Heat.

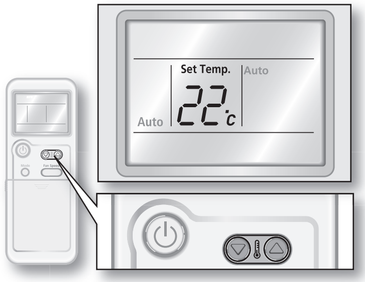


3. Set the Temperature.

   Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

   You can set the desired temperature between the range of 16˚C~30˚C.

   You can decrease/increase the temperature by 1˚C.



- When the air conditioner is already operating in another mode, press the **Mode** button until the Auto mode indicator appears on the remote control display.
- When using the remote control, make sure the indicator matches your selection on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)

Cool

In Cool mode, the air conditioner will cool your room. You can adjust the temperature and the fan speed to feel cooler .

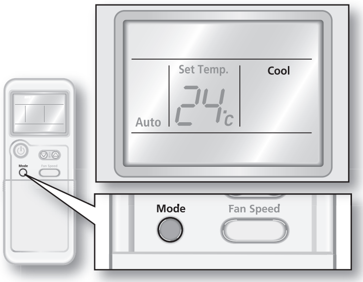
1. Turn on the air conditioner.

   Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

   Press the **Mode** button on the remote control until Cool mode indicator appears on the remote control display.

   The air conditioner operates in Cool mode and will lower the temperature in your room.



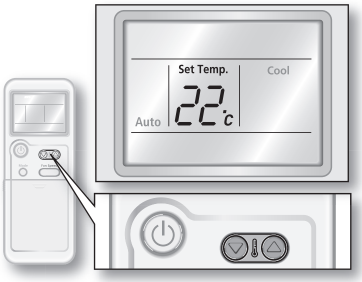
When you press the **Mode** button, the mode will change in order of Auto, Cool, Dry, Fan and Heat.

---

3. Set the temperature.

   Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

   You can set the desired temperature between the range of 16˚C~30˚C.



You can decrease/increase the temperature by 1˚C.

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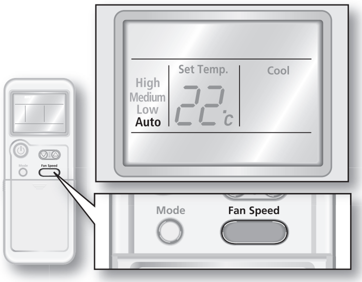
4. Set the fan speed.

   Press the **Fan Speed** button on the remote control to set the desired fan speed.

   If room temperature reaches the desired temperature, the air conditioner will stop cooling and simply run the fan.



When you press the **Fan Speed** button, fan speed will change in order of Auto, Low, Medium and High.

- When using the remote control, make sure the indicator matches your selection on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)
- If current outside temperatures are much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness.

operating basic function

SELECTING OPERATION MODE

Dry

The air conditioner in Dry mode acts like a dehumidifier by removing moisture indoors. Dry mode makes the air refreshing even in humid climates.

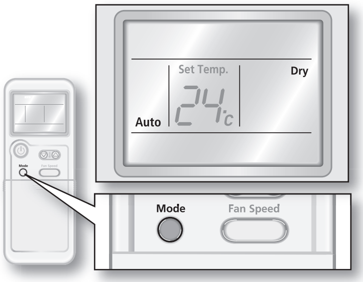
1. Turn on the air conditioner.

Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Dry mode indicator appears on the remote control display. The air conditioner operates in Dry mode and automatically adjusts the fan speed to Auto.

When you press the **Mode** button, the mode will change in order of Auto, Cool, Dry, Fan and Heat.

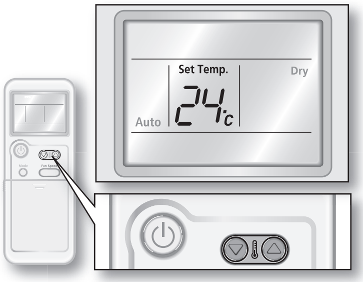


3. Set the temperature.

Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 18˚C~30˚C.

You can decrease/increase the temperature by 1˚C.



- When using the remote control, make sure the indicator matches your selection on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)

Fan

Fan mode can be selected to ventilate your room. Fan mode is helpful in refreshing the stale air in your room.

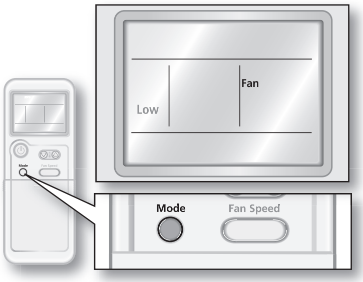
1. Turn on the air conditioner.

Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Fan mode indicator appears on the remote control display.

The air conditioner operates in Fan mode and automatically adjusts the temperature according to the current room temperature.

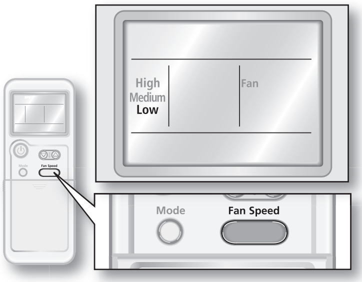


When you press the **Mode** button, the mode will change in order of Auto, Cool, Dry, Fan and Heat.

---

3. Set the fan speed.

Press the **Fan Speed** button on the remote control to set the desired fan speed.



When you press the **Fan Speed** button, fan speed will change in order of Low, Medium and High.

- When using the remote control, make sure the indicator matches your selection on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)

operating basic function

SELECTING OPERATION MODE

Heat

The air conditioner heats as well as cools. Warm your room with this versatile appliance in the cold of winter.

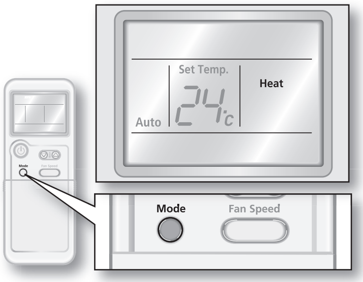
1. Turn on the air conditioner.

Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Heat mode indicator appears on the remote control display. The air conditioner operates in Heat mode and warms your room.

When you press the **Mode** button, the mode will change in order of Auto, Cool, Dry, Fan and Heat.



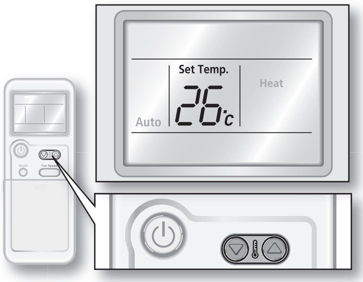
---

3. Set the temperature.

Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 16˚C~30˚C.

You can decrease/increase the temperature by 1˚C.



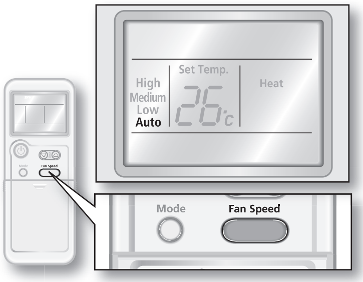
---

4. Set the fan speed.

Press the **Fan Speed** button on the remote control to set the desired fan speed.

When room temperature reaches the desired temperature, heating will temporarily stop.

- When you press the **Fan Speed** button, fan speed will change in order of Auto, Low, Medium and High.
- Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.



- Air flow can be adjusted manually. (See page 19 for instructions.)
- Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperatures are extremely low. If you feel the air conditioner insufficiently heats, using an additional heating appliance in combination with the air conditioner is recommended.

ADJUSTING THE AIR FLOW DIRECTION

Air flow can be adjusted to your desired position.

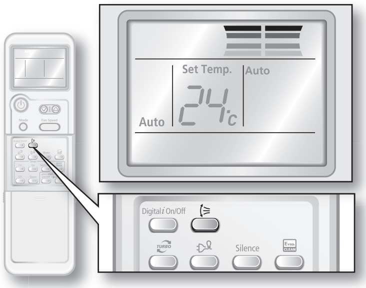
Vertical air flow

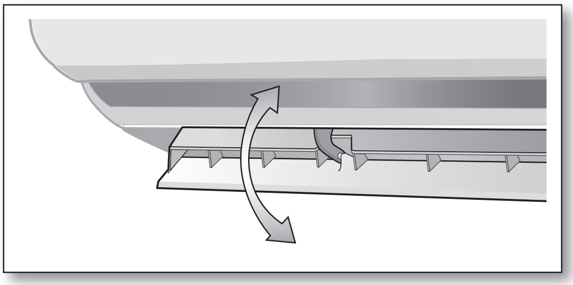
Air flow blades move up and down.

1. Press the **Air swing** button on the remote control.

   Air swing indicator turns on and the number of indicator lights move up and down.
   Air flow blades move up and down continuously to circulate the air.

   To keep the air flow direction in a constant position, press the **Air swing** button on the remote control again.

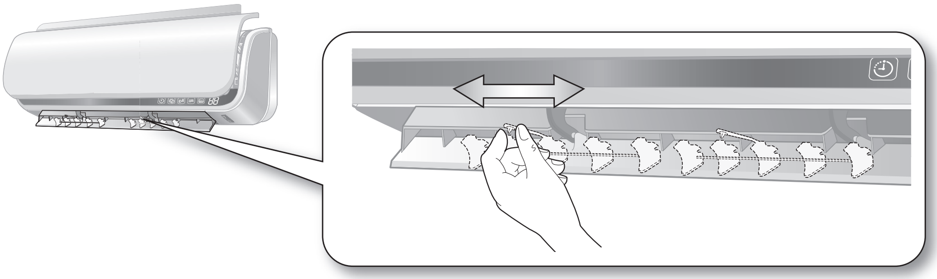




Horizontal air flow

Make sure none of the blade pins that stick out of the air flow blades are broken.

1. Move the blade pin lever left or right to position the air flow to the prefered direction.



⚠ CAUTION Be extremely careful while adjusting the Horizontal air flow direction.
There is a potential risk of personal injury when the unit is mishandled.

using advanced functions

USING THE TURBO FUNCTION

Turbo function will be helpful to cool or heat your room quickly and effectively by operating at the maximum fan speed for 30 minutes.

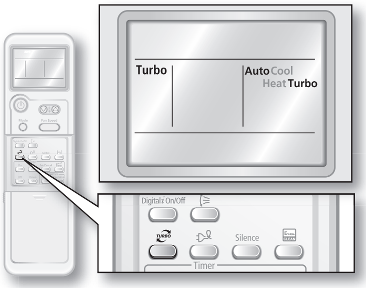
1. Turn on the air conditioner.

   Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

   Press the **Turbo** TURBO button on the remote control until Turbo indicator appears on the remote control display.

   The air conditioner operates in Turbo fan speed and automatically adjusts the temperature according to the current room temperature. The unit operates for 30 minutes and then operates in the last mode used, or in Auto mode if Dry/Fan mode is the most recent mode used.



Turbo function is only available in Auto/Cool/Heat mode. If Turbo function is selected in Dry/Fan mode, operating mode changes to Auto.

To deactivate Turbo function

1. Press the **Turbo** TURBO button on the remote control again.

   The air conditioner operates in the last mode used, or in Auto mode if Dry/Fan mode is the most recent mode used.

- When using the remote control, make sure the indicator matches your selection on the remote control display.
- Temperature/Fan speed cannot be adjusted while using this function.
- Air flow can be adjusted manually. (See page 19 for instructions.)
- When the Turbo function is activated, pressing **Mode** button will automatically cancel the function.

SETTING THE TIMER

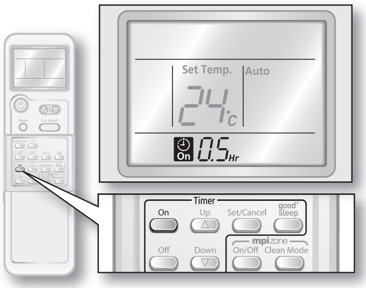
This advanced Timer function allows you to turn on/off your air conditioner automatically even when you are away. Simply set the time and your air conditioner will turn on/off automatically.

On timer

This function allows you to turn on the air conditioner automatically within the time range of 24 hours. On timer is available while your air conditioner is on/off.

1. Press the **On** button on the remote control.

   On timer indicator blinks on the remote control display.


Set Temp.
Auto
24°c
On
0.5Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

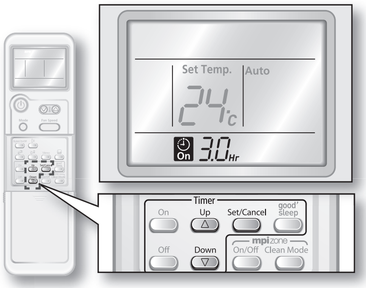
---

2. Set the time you want the air conditioner to turn on automatically.

   Press the **Up** or **Down** button on the remote control to change the time setting while On timer indicator is blinking. You can set the time up to 24 hours, increasing by 30 minute intervals up to the first 3 hours and then hourly after the first 3 hours.

3. Press the **Set/Cancel** button on the remote control to activate.

   The remote control display will show the hour(s) you have set.
   The air conditioner will operate automatically at the set time and then the On timer indicator disappears. If the On timer is not set within 10 seconds, the air conditioner will end setting.


Set Temp.
Auto
24°c
On
3.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

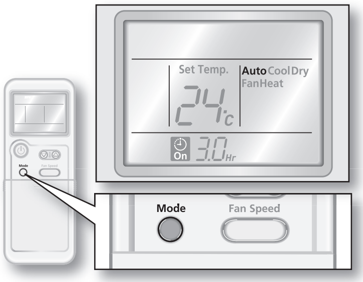
---

4. Set the operating mode.

   Press the **Mode** button on the remote control until the desired mode appears on the remote control display.

   The air conditioner will operate in the mode you set.

   On timer function is available in Auto/Cool/Dry/Fan/Heat mode.


Set Temp.
Auto Cool Dry
Fan Heat
24°c
On
3.0Hr
Mode
Fan Speed

- Temperature can also be adjusted. (See step 3 on page 15 for instructions.)
- After the timer has been set and the unit is turned off, all indicators will turn off except the On timer indicator and the remaining time in approximately 10 seconds.
- Change the timer setting by pressing the **ON** button, pressing the **Up/Down** button to change the time, then press the **Set/Cancel** button to activate.

To deactivate the On timer

1. Press the **Set/Cancel** button on the remote control.

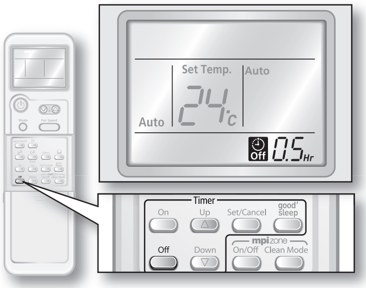
   The set time will cancel and the On timer indicator will disappear.

using advanced functions

SETTING TIMER

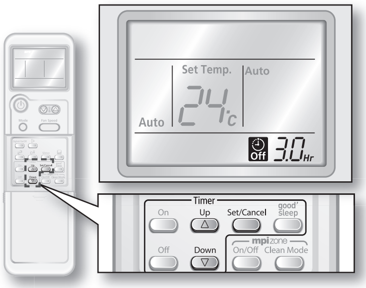
Off timer

This function allows you to turn off the air conditioner automatically within the time range of 24 hours. Off timer is functional while the unit is in operation.


Set Temp.
Auto
Auto
24°C
Off 0.5Hr
Timer
On
Up
Set/Cancel
good' sleep
mpi zone
Off
Down
On/Off
Clean Mode

1. Press the **Off** button on the remote control.

   Off timer indicator blinks on the remote control display.


Set Temp.
Auto
Auto
24°C
Off 3.0Hr
Timer
On
Up
Set/Cancel
good' sleep
mpi zone
Off
Down
On/Off
Clean Mode

2. Set the time you want the air conditioner to turn off automatically.

   Press the **Up** or **Down** button on the remote control to change the time setting while the Off timer indicator is blinking. You can set the time up to 24 hours, increasing by 30 minute intervals up to the first 3 hours and then hourly after the first 3 hours.

3. Press the **Set/Cancel** button on the remote control to activate.

   The remote control display will show the hour(s) you have set.
   The air conditioner will operate automatically at the set time and then the Off timer indicator disappears. If the Off timer is not set within 10 seconds, the air conditioner will end setting.

- Change the timer setting by pressing the **OFF** button, pressing the **Up/Down** button to change the time, then press the **Set/Cancel** button to activate.
- You can combine the Off timer function with the On timer function to turn on and then off the air conditioner at the desired time. (See page 23 for instructions.)

To deactivate the Off timer

1. Press the **Set/Cancel** button on the remote control.

   The set time will cancel and the OFF timer indicator will disappear.

Off timer function is available in Auto/Cool/Dry/Fan/Heat mode.

Combining On timer and Off timer

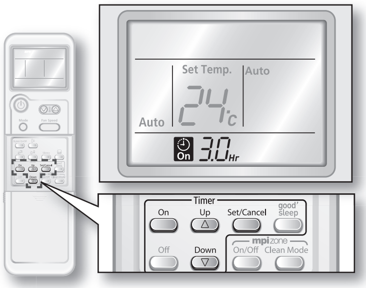
You can combine the On timer and Off timer together for more convenient use of the timer function.

1. Set the On timer.

   Press the **On** button.

   Set the time for the unit to turn on with the **Up** and **Down** button.

   Press the **Set/Cancel** button to activate the On timer.


Set Temp.
Auto
Auto
24°C
On 3.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpizone
On/Off
Clean Mode

See page 21 for more detail instructions on setting the On timer.

---

2. Set the Off timer.

   Press the **Off** button.

   Set the time for the unit to turn off with the **Up** and **Down** button.

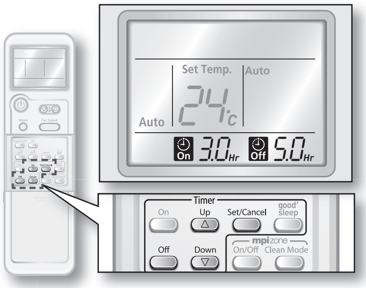
   Press **Set/Cancel** button to activate the Off timer.

   When you set the time, there can be two possible options:

   On timer is shorter than Off timer

   The air conditioner will turn on and then off automatically. Set up should be done while the air conditioner is off.

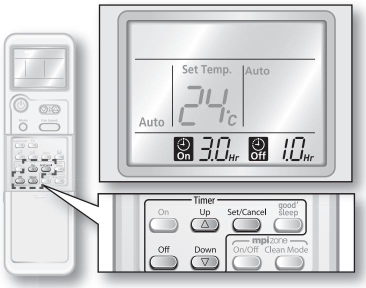
   Example: If the On timer is set at 3 hours and the Off timer at 5 hours, the air conditioner will turn on in 3 hours, then operate for the next two hours before turning off automatically.


Set Temp.
Auto
Auto
24°C
On 3.0Hr
Off 5.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpizone
On/Off
Clean Mode

   On timer is longer than Off timer

   The air conditioner will turn off and then on automatically. Set up should be done while the air conditioner is operating.

   Example: If the On timer is set at 3 hours and the Off timer at 1 hour, the air conditioner will turn off in an hour, remain turned off for 2 hours then turn on automatically.


Set Temp.
Auto
Auto
24°C
On 3.0Hr
Off 1.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpizone
On/Off
Clean Mode

See page 22 for more detailed instructions on setting the Off timer.

To deactivate the timer combination

1. Press the **Set/Cancel** button on the remote control.

   Both the On and Off timer will be canceled and the indicators will disappear.

using advanced functions

SETTING TIMER

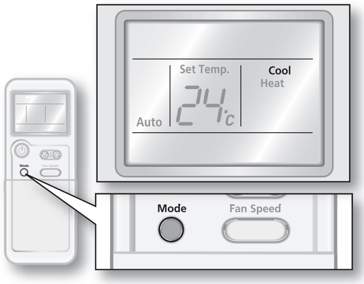
good' sleep mode

good' sleep mode lets you sleep comfortably in ideal temperatures while saving energy.
good' sleep mode can be set up when the air conditioner is on.

1. Set operating mode.

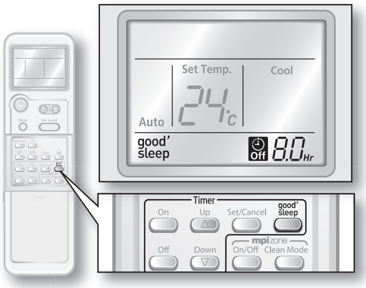
   Press the **Mode** button on the remote control until Cool/Heat appears on the remote control display.

   good' sleep is only available in Cool/Heat mode.


Set Temp.
Cool
Heat
Auto
24°C
Mode
Fan Speed

2. Press the good' sleep button on the remote control.

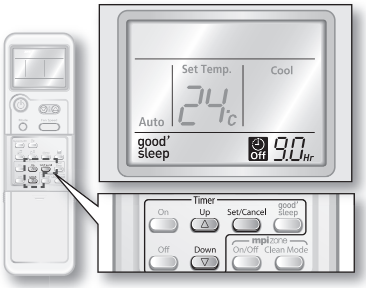
   good' sleep indicator appears and the Off timer indicator starts blinking on the remote control display.


Set Temp.
Cool
Auto
24°C
good' sleep
Off 8.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

3. Set the length of time you want the air conditioner to stay on.

   Default good' sleep time is set to 8 hours. Press the **Up** or **Down** button on the remote control to change the time setting while the Off timer indicator is blinking.

   You can set the time up to 12 hours, increasing by 30 minute intervals up to the first 3 hours and then hourly after the first 3 hours.


Set Temp.
Cool
Auto
24°C
good' sleep
Off 9.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

4. Press the **Set/Cancel** button on the remote control to activate.

   The remote control display will show the hour(s) you have set.
   When the set time has elapsed, the air conditioner will automatically turn off and then good' sleep indicator disappears.
   If good' sleep mode is not set within 10 seconds, the air conditioner will end setting.

- Temperature/Fan speed/Air swing can be adjusted after setting good' sleep in Heat mode.
- Temperature can be adjusted and the air conditioner automatically adjusts the Fan speed/Air swing accordingly after setting good' sleep in Cool mode.

Temperature changes in good’sleep mode

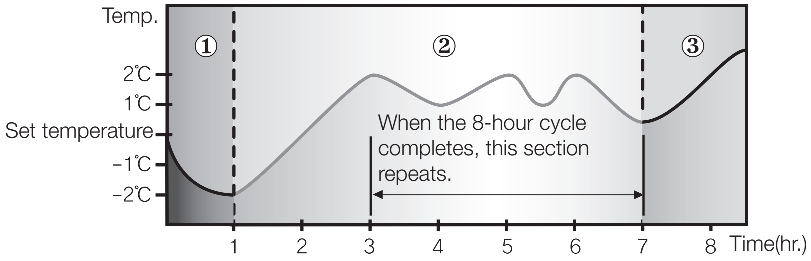
To prevent excessive cooling/heating during sleep, the good’sleep mode automatically modifies the temperature setting in accordance with the time setting. Temperature and air current change according to the three stages; Falling asleep, Sound sleep, and Waking up from good’sleep mode, and then the air conditioner will automatically turn off when the set time has elapsed.

Three stage good’sleep prevents you from having difficulty sleeping on extremely hot/cold nights.

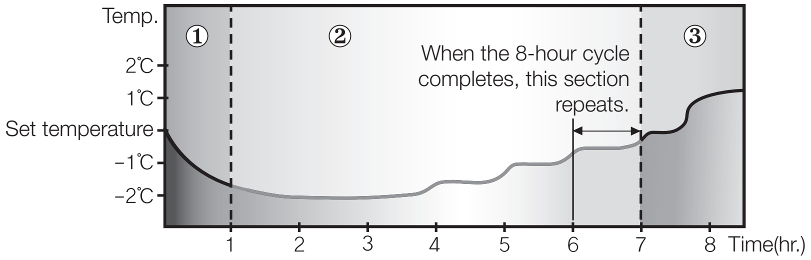
① **Falling asleep** : Eases you into sleep by dropping the temperature.
② **Sound sleep** : Relaxes your body and raises your temperature slightly.
③ **Waking up from good’sleep mode** :
Allows you to wake up to comfortable crisp air making you feel refreshed and energized.

- Set the Off timer in good’sleep mode for more than 5 hours. Sleep may be disturbed if the good’sleep mode is set for too short or too long a time because the temperature changes are set to an 8-hour cycle.
- If the good’sleep mode is set for less than 4 hours, the operation will stop at the set time. If the good’sleep mode is set for over 5 hours, the last hour will run in Waking Up stage before shutting off.
- Recommended set temperature is between 25˚C~27˚C for cooling and 21˚C~23˚C for heating.

Cool mode



Heat mode



To deactivate good’sleep mode

1. Press the **Set/Cancel** button on the remote control.

   good’sleep mode shuts off and the good’sleep indicator will disappear.

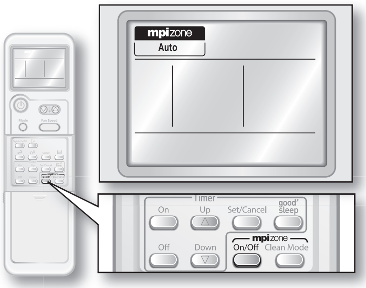
using advanced functions

USING THE **mpi**zone FUNCTION

MPI, Micro Plasma Ion, zone generates hydrogen (H) and oxygen (O2) to remove viruses and allergy-causing microbes in the air by neutralizing them and turning into water. Now, breathe as if surrounded by waterfalls, rivers, trees, and mountains. **mpi**zone indicator on the unit will fade in and fade out continuously while the **mpi**zone function is activated.

1. Press the **mpi**zone **On/Off** button on the remote control while the air conditioner off.
   mpizone indicator will appear on the remote control display.

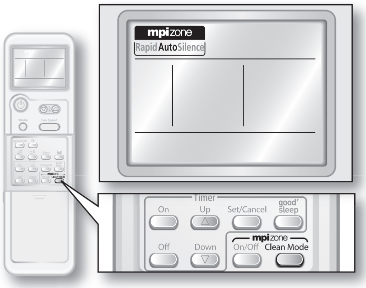
   The air conditioner generates MPI in **mpi**zone Auto mode.


mpi zone
Auto
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

2. Set the operating type.

   Each time you press the **Clean Mode** button while the air conditioner is off, the operating type will change in order of Auto, Silence and Rapid.

   Auto : adjusts the fan speed automatically.
   Silence : operates at minimum fan speed quietly.
   Rapid : operate at maximum fan speed to clean and purify the air effectively and quickly.


mpi zone
Rapid Auto Silence
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

The **Clean Mode** button will not work while the air conditioner is on.

When you activate the **mpi**zone function while the air conditioner is on, **mpi**zone function automatically sets to Auto.

To deactivate **mpi**zone mode

1. Press the **mpi**zone **On/Off** button on the remote control.

   mpizone mode shuts off and the blue light will turn off.

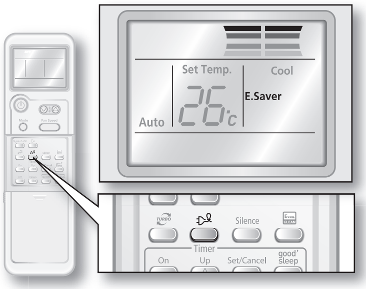
USING THE ENERGY SAVING FUNCTION

This function will set the temperature range limit to help you save energy while the air conditioner is operating in Cool mode.

1. Press the **Energy saving** button on the remote control while the air conditioner is operating in Cool mode.

E.Saver indicator and air swing indicator appear automatically on the remote control display. The air flow blades move up and down.

If the current set temperature is lower than 26˚C, it will automatically raise the set temperature to 26˚C.



- Energy saving function is only available in Cool mode.
- When the Energy saving function is activated, the temperature range will be limited to 26˚C~30˚C.
- If the desired temperature is lower than 26˚C, turn off the energy saving function by pressing the **Energy saving** button again.
- Temperature/Fan speed can also be adjusted. (See step 3~4 on page 15 for instructions.)
- Air flow can be adjusted manually. (See page 19 for instructions.)

To deactivate the Energy saving function

1. Press the **Energy saving** button on the remote control.

The Energy saving function shuts off and the Energy saving indicator will disappear on the remote control display.

using advanced functions

USING THE EVAPORATOR CLEAN FUNCTION

The evaporator clean function keeps moisture from accumulating inside the unit. This prevents mold growth and bacteria from spreading, keeping your family healthier.

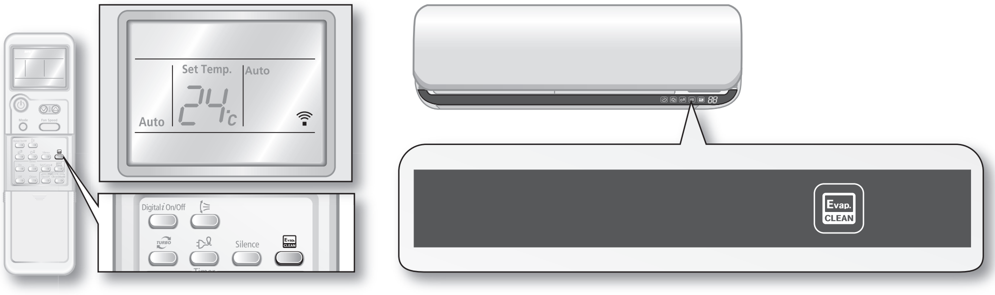
1. Press the **Evap. CLEAN** Evap. CLEAN button.
   - ▶ When the air conditioner is turned off,
     The Evap. CLEAN indicator on the indoor unit display appears and the Auto cleaning function starts.
   - ▶ When the air conditioner is turned on,
     The Evap. CLEAN indicator on the indoor unit display appears and the Auto cleaning function starts after the air conditioner stops operation.

   Evaporator Cleaning time can vary, depending on the previously used mode.

   Auto(cool), Cool, Dry mode : approximately 30 minutes.

   Auto(heat), Heat, Fan mode : approximately 15 minutes.

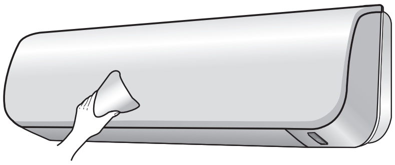
The Evaporator Clean function only operates after the air conditioner stops running.



cleaning and maintaining the air conditioner

CLEANING THE EXTERIOR

1. Wipe the surface of the unit with a slightly wet or dry cloth when needed.



CAUTION Do not use Benzene, Thinner or Clorox™. They may damage the surface of the air cleaner and can create a risk of fire.

CLEANING THE FILTER

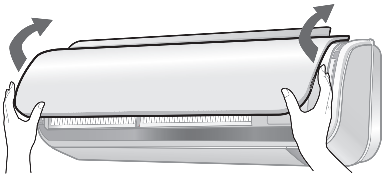
When cleaning the filter, make sure to unplug the power from the unit. No special tools are needed to clean it.

Air filter

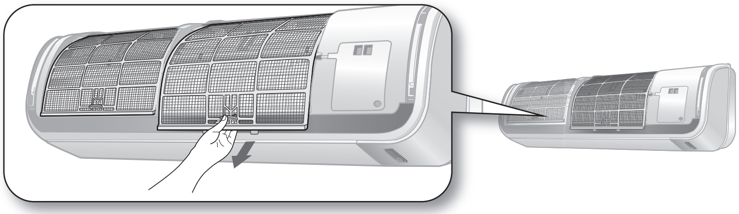
This air filter captures large particles in the air. The filter can be cleaned with a vacuum or by hand.

1. Remove the front panel.

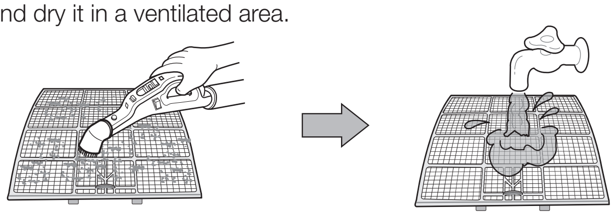
   Grab the grooved side of the front panel tightly and pull the bottom side of the panel upwards to remove the front panel.



2. Grab the handle. Then, pull the Air filter towards you and slide it down.



3. Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, then rinse it with running water and dry it in a ventilated area.



- For best conditions, repeat every two weeks.
- If the Air filter dries in a confined (or humid) area, odors may generate. If this occurs, re-clean and dry it in a well-ventilated area.

4. Insert the Air filter back into its original position.
5. Reattach the front panel.

   Insert the hooks located on the top of the panel into the correct slots then push in the bottom part of the panel.

cleaning and maintaining the air conditioner

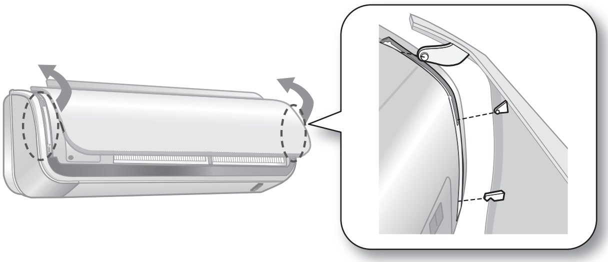
CLEANING THE FILTER

DNA filter

Using the structure of DNA, the DNA filter is a new technology that screens selectively only toxic agents. This enables a smarter air management.

1. Remove the front panel.

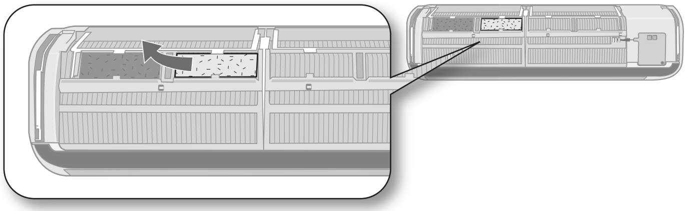
   Grab the grooved side of the front panel tightly and pull the bottom side of the panel upwards to remove the front panel.



2. Remove the Air filter.

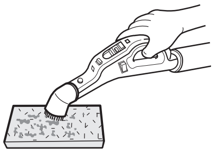
   Grab the handle and lift it up. Then, pull the Air filter towards you and slide it down.

3. Slide the DNA filter out to remove it from the slot.



The DNA filter can be placed in any of the 4 slots beneath the air filter.

4. Clean the DNA filter with a vacuum cleaner or soft brush.



5. Install the DNA filter back in position.
6. Reattach the front panel.

   Insert the hooks located on the top of the panel into the correct slots then push in the bottom part of the panel.

Clean the DNA filter every 3 months. The cleaning term may differ depending on usage and environmental conditions.

The expected life span of the DNA filter is 3 years.

REPLACING THE FILTER

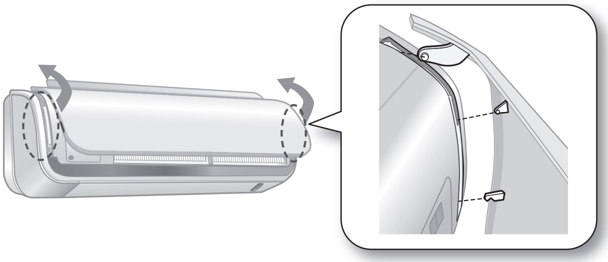
Replacement filters may be purchased from the retail store or ordered from the dealer where you purchased the unit. If you cannot find one, please call a contact center.

Deodorizing filter

The deodorizing filter efficiently absorbs cigarette smoke, pet odors and other unpleasant smells. Cleaning is simple, just remove the old filter and install a new one.

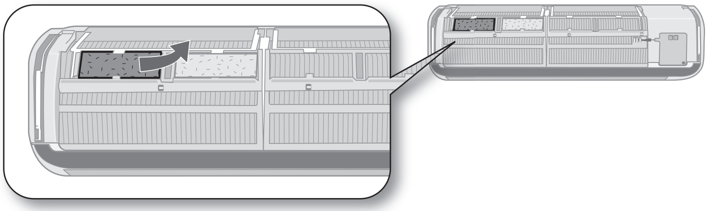
1. Remove the front panel.

   Grab the grooved side of the front panel tightly and pull the bottom side of the panel upwards to remove the front panel.



2. Remove the Air filter.

   Grab the handle and lift it up. Then, pull the Air filter towards you and slide it down.
3. Slide the Deodorizing filter out to remove it from the slot.



The Deodorizing filter can be placed in any of the 4 slots beneath the air filter.

4. Install the new Deodorizing filter back into position.
5. Reattach the front panel.

   Insert the hooks located on the top of the panel into the correct slots then push in the bottom part of the panel.

- The replacement of the Deodorizing filter differs depending on usage and environmental conditions.
- Even if Deodorizing and DNA filters are installed in an inverted position, it will not affect its filtration system.

MAINTAINING YOUR AIR CONDITIONER

If the air conditioner will not be used for an extended period of time, dry the air conditioner to maintain its best condition.

1. Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and disconnect the power plug. There may be internal damage if moisture is left in its components.
2. Before using the air conditioner again, dry the inner components of the air conditioner again by running in Fan mode for 3 to 4 hours. This helps remove odors which may have generated from dampness.

appendix

TROUBLESHOOTING

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

PROBLEM	SOLUTION
The air conditioner does not operate immediately after it has been restarted.	• Because of the protective mechanism, the appliance does not start operating immediately to keep the unit from overloading. The air conditioner will start in 3 minutes.
The air conditioner does not work at all.	• Check that the power plug is properly connected. Insert the power plug into the wall socket correctly. • Check if the circuit breaker is switched off. • Check if there is a power failure. • Check your fuse. Make sure it is not blown out.
The temperature does not change.	• Check if you selected Fan mode. Press the **Mode** button on the remote control to select another mode.
The cool(warm) air does not come out of the air conditioner.	• Check if the set temperature is higher (lower) than the current temperature. Press the **Temperature** button on the remote control to change the set temperature. Press the **Temperature** ▼ or ▲ button to decrease or increase the temperature. • Check if the air filter is blocked by dirt. Clean the Air filter every two weeks. • Check if the air conditioner has just been turned on. If so, wait 3 minutes.
The fan speed does not change.	• Check if you selected Auto or Dry mode. The air conditioner automatically adjusts the fan speed to Auto in Auto/Dry mode.
Timer function does not set.	• Check if you pressed the **Set/Cancel** button on the remote control after you have set the time.
Odors permeate in the room during operation.	• Check if the appliance is running in a smoky area or if there is a smell entering from outside. Operate the air conditioner in Fan mode or open the windows to air out the room.
The air conditioner makes a bubbling sound.	• A bubbling sound may be heard when the refrigerant is circulating through the compressor. Let the air conditioner operate in a selected mode.
Water is dripping from the air flow blades.	• Check if the air conditioner has been cooling for an extended period of time with the air flow blades pointed downwards. Condensation may generate due to the difference in temperature.
Remote control is not working.	• Check if your batteries are depleted. • Make sure batteries are correctly installed. • Make sure nothing is blocking your remote control sensor. • Check that there are no strong lighting apparatuses near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.

SYMPTOMS	CHECK ERROR MODE (DISPLAYED)	MANAGEMENT
The abnormal signal is displayed	Some signal is displayed on the window LED like E101, E121, E122, E154, E162, E186, E102, All blink, E221, E237, E251, E416, E458, E461, E462, E464, E465, E467, E468, E469, E471, E472, E554, E556	This product has something wrong, please call the nearest contact center.

OPERATION RANGES

The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.

MODE	OPERATING CONDITIONS	IF OUT OF CONDITIONS
COOL	Indoor temp: 16°C~32°C	- A safety device will stop continuously the system functioning; - Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor;
	Indoor humidity: below 80%	
	Outdoor temp: -5°C~43°C	
HEAT	Indoor temp: below 27°C	- A safety device will stop continuously the system functioning;
	Outdoor temp: -15°C~24°C	
DRY	Indoor temp: 16°C~32°C	- A safety device will stop continuously the system functioning; - Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor;
	Indoor humidity: below 80%	
	Outdoor temp: -5°C~43°C	
POWER SUPPLY	Single phase rated voltage minimum and maximum limit	220V-240V~50Hz 198V min.-264V max.

Any damage occurs out of condition specified cannot be covered by product warranty.
If the system works continuosly outside of conditions, its performace and reliability will be compromised.

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
BELGIUM	0032 (0)2 201 24 18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
CZECH REPUBLIC	800-726-786 (800 - SAMSUNG)	www.samsung.com/cz
DENMARK	8 - SAMSUNG(7267864)	www.samsung.com/dk
FINLAND	30 - 6227 515	www.samsung.com/fi
FRANCE	01 4863 0000	www.samsung.com/fr
GERMANY	01805 - SAMSUNG(726-7864 € 0,14/Min)	www.samsung.com/de
HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com/hu
ITALIA	800-SAMSUNG(726-7864)	www.samsung.com/it
LUXEMBURG	0035 (0)2 261 03 710	www.samsung.com/lu
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com/nl
NORWAY	3 - SAMSUNG(7267864)	www.samsung.com/no
POLAND	0 801 1SAMSUNG(172678) 022-607-93-33	www.samsung.com/pl
PORTUGAL	80820-SAMSUNG(726-7864)	www.samsung.com/pt
SLOVAKIA	0800-SAMSUNG(726-7864)	www.samsung.com/sk
SPAIN	902 - 1 - SAMSUNG (902 172 678)	www.samsung.com/es
SWEDEN	075 - SAMSUNG(726 78 64)	www.samsung.com/se
U.K	0845 SAMSUNG (7267864)	www.samsung.com/uk
EIRE	0818 717 100	www.samsung.com/ie
AUSTRIA	0810 - SAMSUNG(7267864, € 0.07/min)	www.samsung.com/at
Switzerland	0848 - SAMSUNG(7267864, CHF 0.08/min)	www.samsung.com/ch
AUSTRALIA	1300 362 603	www.samsung.com/au
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Air Conditioner

user manual

INVERTER

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